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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/723,637	11/26/2003	Darren S. Sheehan	60,246-288; 10,451	6442
26096 7590 01/29/2007 CARLSON, GASKEY & OLDS, P.C.			EXAMINER	
400 WEST MA	•		MAYEKAR, KISHOR	
SUITE 350 BIRMINGHAN	M, MI 48009		ART UNIT	PAPER NUMBER
			1753	
				
SHORTENED STATUTOR	Y PERIOD OF RESPONSE	MAIL DATE	DELIVERY MODE	
3 MO	NTHS	01/29/2007	PAPER	

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

	Application No.	Applicant(s)			
	10/723,637	SHEEHAN, DARREN S.			
Office Action Summary	Examiner	Art Unit			
	Kishor Mayekar	1753			
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply					
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).					
Status					
 Responsive to communication(s) filed on 10 No. This action is FINAL. Since this application is in condition for allowant closed in accordance with the practice under E. 	action is non-final.	· ·			
Disposition of Claims					
 4) Claim(s) 1-4, 7, 9 and 17-19 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. 5) Claim(s) is/are allowed. 6) Claim(s) 1-4,7,9 and 17-19 is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) are subject to restriction and/or election requirement. 					
Application Papers		,			
9) The specification is objected to by the Examiner 10) The drawing(s) filed on is/are: a) access applicant may not request that any objection to the of Replacement drawing sheet(s) including the correction of the oath or declaration is objected to by the Examiner	epted or b) objected to by the Edrawing(s) be held in abeyance. See on is required if the drawing(s) is obj	37 CFR 1.85(a). ected to. See 37 CFR 1.121(d).			
Priority under 35 U.S.C. § 119					
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 					
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date	4) Interview Summary (Paper No(s)/Mail Da 5) Notice of Informal Pa 6) Other:	te			

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DETAILED ACTION

1. Applicant's arguments with respect to amended claims 1-4, 7, 9 and new claims 17-19 have been considered but are most in view of the new ground(s) of rejection.

Claim Rejections - 35 USC § 103

- 2. The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.
- 3. Claims 1-4, 7, 9 and 17-19 are rejected under 35 U.S.C. 103(a) as being unpatentable over Fencl et al. (US 5,817,276) in view of JP 2001-153,386 A, both references cited in the last Office action. Fencl's invention is directed to an air conditioning system with UV light source for removing odor. Fencl discloses in Fig. 7 an embodiment wherein the air conditioning system comprises first and second evaporators coils, each having a drain pan positioned below; a first UV light source positioned and oriented to direct UV light onto at least one surface of the first evaporator coil; and a second UV light source positioned and oriented to direct UV light onto at least one surface of the second evaporator coil. Fencl also discloses in Fig. 7 the limitation of the evaporator coils between the first and second UV light sources as claimed in claim 17. The differences between Fencl and the above claims are the recited provisions of a substrate disposed downstream from the first and

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second evaporative coils and a photocatalyst on at least one surface of the substrate. JP

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'386 shows in air conditioning system with UV light source for removing odor the provision

of a substrate 3a disposed downstream from a heat exchanger 2 (an evaporative coil) and

a photocatalyst 3c on at least one surface of the substrate 3a, wherein an UV light source

is positioned and oriented to direct UV light onto at least one surface of the heat

exchanger and on the photocatalyst on the at least one surface of the substrate (Fig. 3;

paragraphs [0006] and [0048]-[0052]). The subject matter as a whole would have been

obvious to one having ordinary skill in the art at the time the invention was made to have

modified Fencl as suggested by JP '386 because this would result in the use of a

photocatalyst in removing odor in combination with both surface and air sterilization by an

UV light source.

Response to Arguments

4. Applicant's arguments filed 10 November 2006 have been fully considered but they

are not persuasive because of the new ground of rejection as set forth in the paragraphs

above.

Conclusion

5. Applicant's amendment necessitated the new ground(s) of rejection presented in

this Office action. Accordingly, THIS ACTION IS MADE FINAL. See MPEP

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§ 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kishor Mayekar whose telephone number is (571) 272-1339. The examiner can normally be reached on Monday-Thursday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nam Nguyen can be reached on (571) 272-1342. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information

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for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

> Kishor Mayekar Primary Examiner Art Unit 1753

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